REVISIONS TO CLAIMS

1. (original) Discharge vessel (1) with at least one end part (2) and a discharge cavity (3), characterized in, that at least one coating layer (4) is located and gas-tight connected between an end part (2) of said discharge vessel (1) and a sealant (5) and/or between a sealant (5) and an end closure member (9).

2. (original) Discharge vessel (1) according to claim 1, characterized in, that the gastight bonding of the coating layer (4) to the discharge vessel (1), to a sealant (5), and/or to an end closure member (9) is stronger compared to the direct gas-tight bonding of said sealant (5) to said end closure member (9) and/or discharge vessel (1).

3. (currently amended) Discharge vessel (1) according to ~~claims 1 to 2~~claim 1, characterized in, that the coating layer (4) has an expansion coefficient in the range between $4 \cdot 10^{-6}\ K^{-1}$ and $12 \cdot 10^{-6}\ K^{-1}$

4. (currently amended) Discharge vessel (1) according to ~~claims 1 to 3~~claim 1, characterized in, that the coating layer (4) is chemically resistant towards oxides and iodides.

REVISIONS TO CLAIMS

5. (currently amended) Discharge vessel (1) according to ~~claims 1 to 4~~claim 1, characterized in, that the coating layer (4) is of a material ~~selected from the group~~ comprising at least ~~W,~~ Mo~~, and/or Pt~~.

6. (currently amended) Discharge vessel (1) according to ~~claims 1 to 5~~claim 1, characterized in, that the coating layer (4) covers at least the end parts (2) of the discharge vessel (1) of the end closure device (7).

7. (currently amended) Gas-tight high-pressure burner (6) with coating layer (4) comprising at least one discharge vessel (1) according to ~~claims 1 to 6~~claim 1 and at least one end closure device (7) and at least one feed-through (8).

8. (currently amended) Gas-tight high-pressure burner (6) according to claim 7 comprising at least one end closure member (9) with at least one feed-through (8), ~~preferably~~ wherein the end closure member (9) has at least one through-going feed-through opening, whereby the feed-through opening cross-section varies along the end closure member (9) longitudinal axis.

REVISIONS TO CLAIMS

9. (currently amended) Lamp, comprising at least one gas-tight high-pressure burner (6) according to ~~claims 7 or 8~~claim 7, whereby the lamp is ~~preferably~~ arranged in an automotive headlamp unit.

10. (currently amended) Method of manufacturing a gas-tight high-pressure burner (6) ~~according to claims 7 or 8~~, comprising

a) at least one end closure member (9),

b) at least two feed-through members (8),

c) at least one connection means (10),

d) at least one sealant (5), and

e) at least one discharge vessel (1) with a coating layer (4),

~~whereby~~ wherein the manufacturing method comprises the steps:

i) filling said discharge vessel (1) with an ionisable filling through at least one feed-through opening, and

ii) closing said feed-through opening by arranging a feed-through (8) in said opening followed by gas-tight connecting said feed-through (8) to the end closure device (7) and/or to the discharge vessel (1) with connection means, whereby a gas-tight high-pressure burner (6) is obtained.

REVISIONS TO CLAIMS

11. (new) A headlight suitable for use in a motor vehicle comprising a lamp, the lamp comprising a gas-tight high-pressure burner, the burner comprising

- at least one metal halide discharge vessel comprising
  - at least one end part; and
  - a discharge cavity;
- at least one end closure member;
- at least one sealant between the end closure member and the end part;
- at least one gas-tight connection between the feed through member and the end closure member;
- at least one gas-tight connected coating covering one or more of the end part of the discharge vessel, the sealant, and the end closure device, gas-tight bonding of the coating being stronger than gas-tight bonding of the sealant to the end closure member and/or the discharge vessel.

12. (new) The headlight of claim 11 wherein the coating layer has an expansion coefficient in the range between $4 \cdot 10^{-6}$ K^{-1} and $12 \cdot 10^{-6}$ K^{-1} for temperatures in the range 298 K to 2174 K.

REVISIONS TO CLAIMS

13. (new) The headlight of claim 11 wherein the coating layer is chemically resistant towards oxides and iodides.

14. (new) headlight of claim 11 wherein the coating layer comprises a material selected from the group comprising at least W, Mo, and/or Pt.

15. (new) The headlight of claim 11, wherein the sealant and the connection comprise materials that are needed for welding, laser welding, resistance welding, soldering, brazing, bonding with adhesive materials, primary shaping, sintering, sealing or any combination thereof.

16. (new) The headlight of claim 11, further comprising

- at least one opening through the end closure and the end part; and
- at least one feed through member passing through the opening, the feed through being suitable for introducing first a filling into the discharge vessel after the end closure is sealed to the discharge vessel, and second an electrode after the discharge vessel is filled.

REVISIONS TO CLAIMS

17. (new) The headlight of claim 16, wherein the opening has an outer cross section and an inner cross section, and the outer cross section is greater than or equal to the inner cross section.

18. (new) The headlight of claim 11, wherein the end closure is made of a functionally graded cermet material including first and second materials denominated A and B arranged such that — in some portions — concentration of compound A substantially increases where component B decreases causing gradients of both A and B, while an outer layer has a constant concentration of A and B.

19. (new) The headlight of claim 18, wherein compound A comprises Al_2O_2 and compound B comprises Mo.

20. (new) The discharge vessel of claim 1, wherein the coating is between the sealant and the end of the discharge vessel.

21. (new) A method of assembling a lamp comprising:

- first sealing at least one cap (9) to a discharge vessel, the cap comprising an opening, the sealing process comprising increasing temperature and/or pressure within the vessel and using a sealant and a coating;

REVISIONS TO CLAIMS

- after sealing, filling the vessel with at least one desired salt and/or at least one desired filling gas, through the opening;
- positioning at least one electrode in opening after the vessel is filled; and
- second sealing the electrode in the opening using a technique resulting in substantially less temperature and pressure increase within the vessel than was required by the first sealing, so that the sealing and coating from the first sealing are not damaged by temperature and pressure from contents of the vessel.

22. (new) Discharge vessel (1) according to claim 1, characterized in, that the coating layer (4) is of a material comprising at least Pt.

23. (new) Discharge vessel (1) according to claim 1, characterized in, that the coating layer (4) is of a material comprising at least W.